
NCR ID: ECSed39207 Status: IN-TEST Submitted: 040121
NCR Class: OPERATIONS Project: OPS_DBDM Enclosures: 8

NCR TITLE...

No timestamp is recorded in PAN in ftp error cases

PROBLEM INFORMATION...

Build Name[*]: Drop 6A.08
Test Site[*]: EDC DAAC
Detection Method[*]: Customer Use
Detected-In-Phase[*]: DAAC Activity
Test Case ID:
Machine Name:
Severity (1=Showstopper)[*]: 3
Priority: 017 Priority Date: 040122
High Priority: 017 Mode [*]: TS1
Trouble Ticket:
DAAC Trouble Ticket:
Submitter: yliu

ANALYSIS INFORMATION...

Evaluate Engineer: mstevens
Assigned To: eajayi
Analysis Due Date(yymmdd): 040122

COST ANALYSIS INFORMATION...

Cost[*]: LOW
Estimated Fix Time(hrs): 8
Estimated Fix Date(yymmdd): 040130
Est Num_SLOC: 3
Revised Fix Time (Hrs): 8
Revised Fix Date (yymmdd): 040129

TO BE FIXED INFORMATION...

Problem type[*]: scripts
Recommended change[*]: scripts
Implement Due Date (yymmdd):
Eng SW Release Name: TBD
Eng SW Release Date (yymmdd):
Quality of NCR: 4
Workaround Available? N

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NCR Class: OPERATIONS Project: OPS_DBDM Forwarded 040122

MERGE INFORMATION..

Resolution[*]: scripts
Resolved by: eajayi
Iteration: Drop 6A.08
Indicate_SLOC[*]: Combination
Num_SLOC: 3
Fixing time (hrs): 8
Affect CSCI: INGEST
Merge Build Id: M040128004
Documentation affected (Y/N)? N
Fix Date (yymmdd): 040129
Patch Release Name: TBD
Patch Release Date (yymmdd):
TE SW Release Name: TBD
TE SW Release Date (yymmdd):

FORWARDING INFORMATION...

Old class: OPERATIONS
Old project: OPS_INGST

Forwarded by: YongGang Liu (Developm

VERIFICATION INFORMATION...

Test Engineer: eajayi
Verification Due:

***** Problem (Added 040121 by yliu) *****

Please describe the problem you are experiencing below, including
what you did, what you expected to happen, and what actually happened:

EDC noticed that there is no timestamp recorded in PAN when request
fails with TransferErr.

This is an old issue. Look like we need to record the timestamp in INGEST DB in failure case also. Right now the timestamp is only inserted in successful case.

***** tt6411(EDC) (Added 040122 by ocoates) *****

Ticket-Id : SMC000000006411

Unique-Identifier : EDC000000014464

Assigned-Priority : Medium

Ticket Status : Closed

Submitter Home DAAC : EDC

Create-date : 01/21/04 14:24:08

Close-date : 01/22/04 10:34:59

Short Description : 6A.08:Ingest.02A:CkSum failures have no DISPOSITON value in the

PAN

Long-Description : When a file fails the Check Sum comparison after the configured

number of retries, a long PAN is generated but the value in the DISPOSITION

and TIME_STAMP fields is left blank. The Ingest request goes to a "Failed"

state with an XferErr for each granule which did not complete the Check Sum

comparison. The missing DISPOSITION value will cause problems with the automatic resend of failed data.

The PAN below is an example from one of our tests:

```
MESSAGE_TYPE = LONGPAN;
NO_OF_FILES = 6;
FILE_DIRECTORY = /tools/storage/science/callij/TEST/LOAD/DATA1/;
FILE_NAME = MYDPT1KD.A2002235.h13v02.004.2003349183446.hdf;
DISPOSITION = "SUCCESSFUL";
TIME_STAMP = 2004-01-20T22:11:00Z;
FILE_DIRECTORY = /tools/storage/science/callij/TEST/LOAD/DATA1/;
FILE_NAME = MYDPT1KD.A2002235.h13v02.004.2003349183446.hdf.met;
DISPOSITION = "SUCCESSFUL";
TIME_STAMP = 2004-01-20T22:11:03Z;
FILE_DIRECTORY = /tools/storage/science/callij/TEST/LOAD/DATA1/;
FILE_NAME = MYDPTHKM.A2002235.h14v02.004.2003349183445.hdf;
DISPOSITION = "";
TIME_STAMP = ;
FILE_DIRECTORY = /tools/storage/science/callij/TEST/LOAD/DATA1/;
FILE_NAME = MYDPTHKM.A2002235.h14v02.004.2003349183445.hdf.met;
DISPOSITION = "SUCCESSFUL";
TIME_STAMP = 2004-01-20T22:13:36Z;
FILE_DIRECTORY = /tools/storage/science/callij/TEST/LOAD/DATA1/;
FILE_NAME = MYDPTQKM.A2002235.h13v02.004.2003349183446.hdf;
DISPOSITION = "SUCCESSFUL";
TIME_STAMP = 2004-01-20T22:14:06Z;
FILE_DIRECTORY = /tools/storage/science/callij/TEST/LOAD/DATA1/;
```

FILE_NAME = MYDPTQKM.A2002235.h13v02.004.2003349183446.hdf.met;
DISPOSITION = "SUCCESSFUL";
TIME_STAMP = 2004-01-20T22:14:09Z;

Please forward this ticket to Landover.

IMPACT: Missing DISPOSITION in the Long PAN will affect the automatic resending of "Failed" data requests.

LP DAAC POC: Royce Reit
Detailed Resolution Log : 01/22/04 08:28:05 andrel
Date: Wed, 21 Jan 2004 16:50:35
From: "Yonggang (Leo) Liu"

Yes. I have submitted an NCR 39207 for the timestamp part this morning.

Disposition part
will be merged to Release 7 with the Ingest checksum tomorrow.

Leo

01/22/04 10:34:59 ocoates
Ticket being closed to an existing NCR ECSed39207

Submitter ID : rreit
Submitter Impact : Medium
Submitter Name : Royce Reit
Submitter Phone : 605-594-2609
Submitter eMail : reit@usgs.gov
Closing Code : Closed - Existing NCR
Related CCR : ECSed39207

***** analysis (Added 040122 by yliu) *****
The problem is caused by no timestamp is added to INGEST DB when file failed with TransferErr. Looks like that no C++ code change is necessary. We can simply modify the stored procedure: InRFIUpdStateStatus to add the timestamp in while updating the file state.

Forward to DBDM group.

***** Questioning TT closure to NCR (Added 040123 by burck) *****
Actually, the way this NCR is written makes these two problems separate issues. NCR 39207 focuses on the missing TIME_STAMP value, which is true in the problem I submitted, but it does not address the more critical problem of the missing DISPOSITION field. It's the DISPOSITION field that is used by scripts to resend the data when a "Failed" PAN is received.

I would not agree that these are the same problem unless the NCR 39207 is updated to reflect the missing DISPOSITION field.

Royce

Royce Reit reit@usgs.gov
Lead System Test Engineer
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Royce -

Landover closed your "disposition" trouble ticket to NCR 39207. Please take a look and let me know if you agree with how the NCR is written and their analysis (already in the NCR). Also, we'll be adding it to the top issues list tomorrow and I wondered where you thought it ought to fall in priority?

thanks!

jane

***** IPT (Added 040125 by jsmith-c) *****
InRFIUpdStateStatus Stored Proc will be updated to add the timestamp.

***** Analysis (Modified 040128 by eajayi) *****
Please describe your Analysis:

The InRFIUpdStateStatus stored procedure needs to be modified to add the timestamp.

***** Resolution (Added 040129 by eajayi) *****
Please describe your resolution to this problem:

Modified the stored procedure InRFIUpdStateStatus.sp to add a timestamp for recording the INGEST DB failure cases.

***** Previous Merge Build IDs (Added 040129 by eajayi) *****

Please enter any related Merge Build ID(s) information:

- 1) M040128004 for 6A08EBF1
- 2) M040128005 for 6A08
- 3) M040128006 for RelB
- 4)

***** History *****

```
xddts      040121 100757 Submitted to OPS_INGST by yliu
xddts      040121 101030 Enclosure "Problem" added by yliu
xddts      040121 170538 Fields modified by dstepp
xddts      040122 103818 Enclosure "tt6411(EDC)" added by ocoates
xddts      040122 105732 Forwarded from OPS_INGST to OPS_DBDM by yliu
xddts      040122 110323 Enclosure "analysis" added by yliu
xddts      040122 142603 N -> A (Assign-Eval to dhope) by mstevens
batchbug   040122 205323 Priority changed to 20 by ddtts
webddts    040123 110349 Enclosure "Questioning TT closure to NCR" added by burck
xddts      040125 163905 Enclosure "IPT" added by jsmith-c
xddts      040127 102001 Fields modified by mstevens
xddts      040127 155838 Enclosure "Analysis" added by eajayi
xddts      040127 155838 A -> B (Cost-Analyzed) by eajayi
xddts      040127 155927 B -> R (Assign-Implement) by eajayi
xddts      040128 163212 Enclosure "Analysis" edited by eajayi
xddts      040129 162836 Enclosure Resolution added by eajayi
xddts      040129 162931 Enclosure Previous Merge Build IDs added by eajayi
xddts      040129 162932 R -> M (Merged) by eajayi
xddts      040129 163001 Fields modified by eajayi
xddts      040129 163049 Fields modified by eajayi
batchbug   040129 204700 Priority changed to 17 by ddtts
xddts      040201 120451 M -> M (Merged) by jsmith-c
xddts      040201 120458 M -> T (In-Test) by jsmith-c
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